

Title (en)

CONNECTION DIAGNOSTIC DEVICE FOR GROUND FAULT DETECTOR

Title (de)

ANSCHLUSSDIAGNOSEVORRICHTUNG FÜR EINEN ERDSCHLUSSWÄCHTER

Title (fr)

DISPOSITIF DE DIAGNOSTIC DE CONNEXION POUR DÉTECTEUR DE DÉFAUT DE MISE À LA MASSE

Publication

EP 2442120 A1 20120418 (EN)

Application

EP 10786065 A 20100519

Priority

- JP 2010058855 W 20100519
- JP 2009140927 A 20090612

Abstract (en)

A connection diagnostic apparatus for a ground fault detector including an oscillator connected via a coupling capacitor to an electric circuit with a first connection line and a second connection line, and a voltage detector for detecting a voltage value between the oscillator and the coupling capacitor is provided with a first relay and a second relay provided in the first connection line and the second connection line, and a programmable controller. The programmable controller determines a connected state of the ground fault detector based on a change amount of a voltage value detected by the voltage detector when the first relay is turned on or off and determines the connected state of the ground fault detector based on a change amount of a voltage value detected by the voltage detector when the second relay is turned on or off.

IPC 8 full level

B60L 3/00 (2006.01); **G01R 31/50** (2020.01)

CPC (source: EP US)

B60L 3/0023 (2013.01 - EP US); **G01R 31/50** (2020.01 - EP US); **G01R 31/66** (2020.01 - EP US); **H02H 3/044** (2013.01 - EP); **H02H 3/17** (2013.01 - EP); **G01R 31/52** (2020.01 - EP US)

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US 2012025844 A1 20120202; **US 8847605 B2 20140930**; CN 102460193 A 20120516; CN 102460193 B 20150114; EP 2442120 A1 20120418; EP 2442120 A4 20130501; EP 2442120 B1 20180808; JP 5533864 B2 20140625; JP WO2010143534 A1 20121122; WO 2010143534 A1 20101216

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